

Comments on the cross-relaxation effect between adsorbed ^3He and PrF_3 nanoparticles

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Abstract

© 2015 AIP Publishing LLC. The spin kinetics data of ^3He in contact with PrF_3 and LaF_3 nanosized powders are reported. All experiments have been carried out by pulse NMR methods at temperature 1.5K. The analysis of obtained data testifies in favor of cross-relaxation presence in the nuclear spin-lattice relaxation data, which takes place between ^3He and ^{141}Pr nuclei.

<http://dx.doi.org/10.1063/1.4904446>
